



3

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A61K 7/48, 7/06	A1	(11) International Publication Number: WO 95/31176 (43) International Publication Date: 23 November 1995 (23.11.95)
(21) International Application Number: PCT/EP95/01888 (22) International Filing Date: 16 May 1995 (16.05.95) (30) Priority Data: A 1011/94 17 May 1994 (17.05.94) AT (71) Applicants (for all designated States except US): ALMA ROSA, N.V. [BE/BE]; Handelslei 12, B-2960 Brecht (BE); FIRMA, Peter, Rausch [AT/AT]; Weberstrasse 6, A-3300 Amstetten (AT). (72) Inventors; and (75) Inventors/Applicants (for US only): WATSON, David [GB/NL]; Courbetsstraat 34", NL-1077 ZV Amsterdam (NL); RAUSCH, Peter [AT/AT]; Heidestrasse 23, A-3300 Amstetten (AT). (74) Agent: JILDERDA, Anne, Ayolt; Octrooibureau Lico B.V., P.O. Box 85096, NL-3508 AB Utrecht (NL).	(81) Designated States: AU, CA, JP, NZ, US, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	
(54) Title: COSMETIC PRODUCT CONTAINING HEMPSEED OIL AND METHOD FOR MANUFACTURING THE SAME (57) Abstract <p>A description is provided of the utilization of hempseed oil as a skin-care additive in the manufacture of various cosmetic products. The pure, natural oil used in the preparations, which is readily available as a low-priced and "replenishable" raw material, develops excellent skin-care properties and this appears to make its use in cosmetic products particularly advantageous.</p>		

Cosmetic product containing hempseed oil and method for manufacturing the same

The present invention relates to a cosmetic product and a method of manufacturing the same.

Cosmetic products are generally used for the care of the human body, especially for the treatment of the skin and hair. Many conventional cosmetic products however fail to give the skin and hair the care and nutrition they need. It is therefore an object of the invention to provide for a cosmetic product, particularly a body care product, with improved nutritious properties.

To this end a cosmetic product is, according to the invention, characterized in that it comprises hempseed oil as a nutritive substance. A method manufacturing such a cosmetic product is, according to the invention, characterized in that hempseed oil is added as a nutritive substance.

The fatty oil of the fruit (seeds) of hemp (*Cannabis Sativa*), one of the oldest plants cultivated by mankind, is characterized by a particularly high content of polyunsaturated fatty acids. In the past it was used as an edible oil as well as raw material in the production of paints and varnishes.

5 In the field of cosmetics no indication exists regarding the use of hempseed oil as a nutritive substance in cosmetic products and other applications of hempseed oil have largely been discontinued due to a reduction in hemp cultivation and the use of newer raw materials.

10 Present-day tests, underlying the present invention, have however indicated that the addition of cold-pressed hempseed oil in cosmetic products provides excellent nutritive benefits.

Especially noticeable are the effects on skin and hair. The skin becomes particularly soft and smooth; in addition, the hair feels light and has a beautiful sheen.

The results revealed that in this respect hempseed oil is superior to most other known nutritive additives.

5 Its use in cosmetics is important from an economical as well as environment-related viewpoint, since hempseed oil is readily available as low-priced and, in particular, entirely natural, 'replenishable' raw material.

By combining it with other cosmetic nutritive substances and active ingredients, additional interesting effects can be achieved. This way, the nutritive effect of quaternary active ingredients in hair-care products is clearly strengthened. The amount of hempseed oil used varies from 0.2 to 60 per cent, depending on the
10 cosmetic product.

To ensure the optimum distribution and processing during production, the hempseed oil is added, for practical purposes, during either the fat or emulsifying phase and the latter is then worked into the remaining product or further processed as usual.

15 To avoid thermal changes, excessive and extended heating of the mixture during processing should be avoided as much as possible.

To prevent oxidative changes, the products are compounded with antioxidants, which are commercially available for this purpose.

20 Prior to pressing, the hempseeds used are thoroughly cleaned and shelled by means of mechanical processes such as sifting or washing, in order to avoid contamination of the added oil with cannabinoids. Moreover, it is possible to utilize hemp species which do not form any psychoactive cannabinoids.

The following cosmetic products are made with the addition of hempseed oil: hair shampoo, hair conditioner, hair balm, hair spray, shower gel, oil bath, bubble
25 bath, neutral liquid soap, normal and non-alkaline soap bars, lip balm, facial masks,

cleansing milk, skin-care gel, body lotion, skin cream, massage cream, massage oil and body oil.

Example 1: HAIR SHAMPOO, intensive care

40.0 % Sodium Laureth Sulfate 30 %

2.0 % Cocoamide DEA

0.25 % Hempseed oil

Preserving agent

Perfume

balance to 100 % Water

Example 2: HAIR BALM for damaged hair

4.0 % Cetearyl Alcohol - Ceteareth-20

1.5 % Octyldodecanol

1.5 % Hempseed oil

1.5 % Laurimoniumchloride

5.0 % Glycerin

Preserving agent

Perfume

balance to 100 % Water

Example 3: SKIN-CARE CREAM for rough skin

20.0 % Isopropyl Myristate, Stearic Acid,
Cetyl Palmitate Cetearyl Alcohol,
Glyceryl Stearate

5.0 % Glycerin

2.5 % Hempseed oil

Preserving agent

Perfume

balance to 100. % Water

The finished products listed above are particularly suitable for cleaning as well as the care of dry, brittle, damaged and dull hair, as well as dry, chapped and sensitive skin.

Claims:

- 1. Cosmetic product, particularly a body care product, characterized in that it contains hempseed oil as a nutritive substance.
- 2. Cosmetic product according to claim 1 characterized in that the hempseed oil consists of pure, natural hempseed oil which has been cold-pressed.
3. Method for the manufacture of cosmetic products, particularly body care products, characterized in that hempseed oil is added as a nutritive substance.
4. Method according to claim 3, characterized in that pure, natural hempseed oil is used in combination with other nutritive and active ingredients.
5. Method according to claim 3 or 4 characterized in that the hempseed oil is added during either the fat or emulsifying phase and the latter is then worked into the remaining product or further processed as usual.
6. Method according to any of claims 3 to 5 characterized in that excessive and extended heating of the mixture during processing is avoided as much as possible.
- 7. Method according to any of claims 3 to 6 characterized in that the products are compounded with antioxidants.
8. Method according to any of claims 3 to 7 characterized in that the hempseed oil is obtained by cold pressing of hempseeds.
9. Method according to claim 8 characterized in that, prior to pressing, the hempseeds used are thoroughly cleaned and shelled by means of mechanical processes such as sifting or washing.
- longat*